

Table 10. Number, percent, and incidence rate¹ of nonfatal occupational injuries and illnesses involving days away from work² by selected worker and case characteristics and musculoskeletal disorders³, All United States, private industry, 2007

Characteristic	Private industry ^{4,5,6}			Musculoskeletal disorders		
	Number	Percent	Rate	Number	Percent	Rate
Total:	1,158,870	100.0	122.2	333,760	100.0	35.2
Gender:						
Male	744,860	64.3	134.1	206,670	61.9	37.2
Female	409,040	35.3	105.2	126,980	38.0	32.7
Age:						
Under 14	20	--	--	--	--	--
14 to 15	400	--	--	30	--	--
16 to 19	35,250	3.0	124.0	6,390	1.9	22.5
20 to 24	124,550	10.7	134.4	30,230	9.1	32.6
25 to 34	260,080	22.4	118.4	74,430	22.3	33.9
35 to 44	283,660	24.5	123.9	93,030	27.9	40.6
45 to 54	271,300	23.4	123.0	83,930	25.1	38.0
55 to 64	138,960	12.0	119.9	35,230	10.6	30.4
65 and over	25,140	2.2	96.2	4,890	1.5	18.7
Occupation:						
Management, business, financial	29,600	2.6	30.5	7,010	2.1	7.2
Professional and related	79,260	6.8	54.7	26,120	7.8	18.0
Service	251,490	21.7	162.9	73,030	21.9	47.3
Sales and related	78,070	6.7	70.1	23,300	7.0	20.9
Office and administrative support	85,190	7.4	54.2	27,420	8.2	17.4
Farming, fishing, and forestry	13,950	1.2	149.8	2,190	0.7	23.5
Construction and extraction	134,010	11.6	238.7	29,400	8.8	52.4
Installation, maintenance, and repair	98,390	8.5	217.5	26,660	8.0	58.9
Production	160,350	13.8	175.7	48,880	14.6	53.6
Transportation and material moving	225,780	19.5	285.0	69,430	20.8	87.6
Length of service with employer:						
Less than 3 months	142,660	12.3	--	31,700	9.5	--
3 months to 11 months	248,620	21.5	--	67,500	20.2	--
1 year to 5 years	403,180	34.8	--	117,140	35.1	--
More than 5 years	349,940	30.2	--	114,740	34.4	--
Race or ethnic origin:						
White	519,330	44.8	--	151,850	45.5	--
Black or African American	94,200	8.1	--	27,050	8.1	--
Hispanic or Latino	157,320	13.6	--	36,250	10.9	--
Asian	16,220	1.4	--	4,090	1.2	--
Native Hawaiian or other Pacific Islander	4,290	0.4	--	970	0.3	--
American Indian or Alaska Native	6,130	0.5	--	1,750	0.5	--
Hispanic and other	820	0.1	--	90	--	--
Multi-race	870	0.1	--	330	0.1	--
Not reported	359,690	31.0	--	111,390	33.4	--

See footnotes at end of table.

Table 10. Number, percent, and incidence rate¹ of nonfatal occupational injuries and illnesses involving days away from work² by selected worker and case characteristics and musculoskeletal disorders³, All United States, private industry, 2007

Characteristic	Private industry ^{4,5,6}			Musculoskeletal disorders		
	Number	Percent	Rate	Number	Percent	Rate
Industry sector:						
Goods producing industries ⁴	349,450	30.2	152.9	91,150	27.3	39.9
Natural resources and mining ^{4,5}	26,900	2.3	163.3	3,740	1.1	22.7
Agriculture, Forestry, Fishing and Hunting ⁴	16,980	1.5	181.0	2,770	0.8	29.5
Mining ⁵	9,920	0.9	139.8	970	0.3	13.7
Construction	135,350	11.7	190.3	29,420	8.8	41.4
Manufacturing	187,200	16.2	132.8	57,990	17.4	41.1
Service providing industries	809,420	69.8	112.4	242,610	72.7	33.7
Trade, Transportation and Utilities ⁶	359,770	31.0	158.4	113,260	33.9	49.9
Wholesale Trade	75,230	6.5	129.4	24,840	7.4	42.7
Retail Trade	166,790	14.4	137.1	51,740	15.5	42.5
Transportation and Warehousing ⁶	111,130	9.6	265.3	34,760	10.4	83.0
Utilities	6,620	0.6	122.2	1,920	0.6	35.4
Information	18,560	1.6	69.3	4,870	1.5	18.2
Financial activities	35,450	3.1	47.0	8,850	2.7	11.7
Finance and Insurance	16,130	1.4	28.3	3,310	1.0	5.8
Real Estate and Rental and Leasing	19,320	1.7	104.4	5,540	1.7	29.9
Professional and business services	88,260	7.6	64.9	22,860	6.8	16.8
Professional, Scientific, and Technical Services	20,240	1.7	29.0	5,390	1.6	7.7
Management of Companies and Enterprises	8,230	0.7	47.4	1,960	0.6	11.3
Administrative and Support and Waste Management and Remediation Services	59,790	5.2	122.7	15,510	4.6	31.8
Education and health services	181,700	15.7	134.2	68,530	20.5	50.6
Educational Services	10,680	0.9	65.7	2,470	0.7	15.2
Health Care and Social Assistance	171,020	14.8	143.5	66,060	19.8	55.4
Leisure and hospitality	94,160	8.1	106.5	17,500	5.2	19.8
Arts, Entertainment, and Recreation	17,650	1.5	137.2	3,430	1.0	26.7
Accommodation and Food Services	76,510	6.6	101.2	14,070	4.2	18.6
Other services	31,520	2.7	102.3	6,740	2.0	21.9
Other Services, except Public Administration	31,520	2.7	102.3	6,740	2.0	21.9
Number of days away from work:						
Cases involving 1 day	171,170	14.8	18.0	36,990	11.1	3.9
Cases involving 2 days	131,830	11.4	13.9	33,960	10.2	3.6
Cases involving 3-5 days	212,020	18.3	22.4	60,820	18.2	6.4
Cases involving 6-10 days	143,040	12.3	15.1	45,010	13.5	4.7
Cases involving 11-20 days	128,650	11.1	13.6	40,630	12.2	4.3
Cases involving 21-30 days	74,980	6.5	7.9	23,500	7.0	2.5
Cases involving 31 or more days	297,180	25.6	31.3	92,850	27.8	9.8
Median days away from work ⁷	7			9		

See footnotes at end of table.

Table 10. Number, percent, and incidence rate¹ of nonfatal occupational injuries and illnesses involving days away from work² by selected worker and case characteristics and musculoskeletal disorders³, All United States, private industry, 2007

Characteristic	Private industry ^{4,5,6}			Musculoskeletal disorders		
	Number	Percent	Rate	Number	Percent	Rate
Part of body affected:						
Head	78,370	6.8	8.3	90	--	--
Eye	33,010	2.8	3.5	50	--	--
Neck	17,050	1.5	1.8	5,400	1.6	0.6
Trunk	384,650	33.2	40.6	236,260	70.8	24.9
Back	235,960	20.4	24.9	160,180	48.0	16.9
Shoulder	75,580	6.5	8.0	43,360	13.0	4.6
Upper extremities	269,240	23.2	28.4	48,520	14.5	5.1
Arm	54,260	4.7	5.7	13,930	4.2	1.5
Finger	101,650	8.8	10.7	3,080	0.9	0.3
Hand, except finger	47,920	4.1	5.1	3,010	0.9	0.3
Wrist	51,620	4.5	5.4	25,240	7.6	2.7
Lower extremities	260,580	22.5	27.5	26,900	8.1	2.8
Knee	94,500	8.2	10.0	17,380	5.2	1.8
Ankle	62,660	5.4	6.6	3,860	1.2	0.4
Foot, toe	55,600	4.8	5.9	1,520	0.5	0.2
Body systems	17,710	1.5	1.9	--	--	--
Multiple	120,950	10.4	12.8	15,740	4.7	1.7
All other	10,330	0.9	1.1	850	0.3	0.1
Source of injury, illness:						
Chemicals, chemical products	17,340	1.5	1.8	40	--	--
Containers	136,750	11.8	14.4	89,980	27.0	9.5
Furniture, fixtures	46,220	4.0	4.9	16,740	5.0	1.8
Machinery	69,160	6.0	7.3	13,520	4.1	1.4
Parts and materials	116,570	10.1	12.3	39,520	11.8	4.2
Person, injured or ill worker	169,960	14.7	17.9	80,960	24.3	8.5
Worker motion or position	165,150	14.3	17.4	80,310	24.1	8.5
Floor, ground surfaces	230,520	19.9	24.3	1,330	0.4	0.1
Handtools	54,490	4.7	5.7	10,290	3.1	1.1
Vehicles	97,920	8.4	10.3	12,430	3.7	1.3
Person, other than worker	64,290	5.5	6.8	42,470	12.7	4.5
Health care patient	50,810	4.4	5.4	39,090	11.7	4.1
All other	155,650	13.4	16.4	26,480	7.9	2.8
Event or exposure:						
Contact with object, equipment	317,550	27.4	33.5	--	--	--
Struck by object	162,840	14.1	17.2	--	--	--
Struck against object	75,730	6.5	8.0	--	--	--
Caught in object, equipment, material	54,100	4.7	5.7	--	--	--
Fall to lower level	77,300	6.7	8.1	--	--	--
Fall on same level	166,530	14.4	17.6	--	--	--
Slips, trips	37,730	3.3	4.0	--	--	--
Overexertion	264,930	22.9	27.9	251,980	75.5	26.6
Overexertion in lifting	140,330	12.1	14.8	134,370	40.3	14.2
Repetitive motion	36,700	3.2	3.9	33,900	10.2	3.6
Exposed to harmful substance	52,950	4.6	5.6	--	--	--
Transportation accidents	53,320	4.6	5.6	--	--	--
Highway accident	33,360	2.9	3.5	--	--	--
Fires, explosions	1,870	0.2	0.2	--	--	--
Assault, violent act	24,230	2.1	2.6	--	--	--
by person	16,840	1.5	1.8	--	--	--
by other	7,400	0.6	0.8	--	--	--
by animal	7,280	0.6	0.8	--	--	--
All other	125,760	10.9	13.3	47,890	14.3	5.0

See footnotes at end of table.

Table 10. Number, percent, and incidence rate¹ of nonfatal occupational injuries and illnesses involving days away from work² by selected worker and case characteristics and musculoskeletal disorders³, All United States, private industry, 2007

Characteristic	Private industry ^{4,5,6}			Musculoskeletal disorders		
	Number	Percent	Rate	Number	Percent	Rate
Nature of injury, illness:						
Sprains, strains	444,510	38.4	46.9	250,970	75.2	26.5
Fractures	94,950	8.2	10.0	--	--	--
Cuts, lacerations, punctures	107,000	9.2	11.3	--	--	--
Cuts, lacerations	91,270	7.9	9.6	--	--	--
Punctures	15,730	1.4	1.7	--	--	--
Bruises, contusions	101,340	8.7	10.7	--	--	--
Heat burns	17,490	1.5	1.8	--	--	--
Chemical burns	6,130	0.5	0.6	--	--	--
Amputations	7,320	0.6	0.8	--	--	--
Carpal tunnel syndrome	11,940	1.0	1.3	11,920	3.6	1.3
Tendonitis	4,380	0.4	0.5	3,530	1.1	0.4
Multiple traumatic injuries	46,820	4.0	4.9	--	--	--
With fractures	11,100	1.0	1.2	--	--	--
With sprains	15,570	1.3	1.6	--	--	--
Soreness, Pain	115,540	10.0	12.2	45,950	13.8	4.8
Back pain	37,130	3.2	3.9	23,430	7.0	2.5
All other	201,450	17.4	21.2	21,400	6.4	2.3
Day of Week:						
Sunday	67,910	5.9	--	19,310	5.8	--
Monday	218,850	18.9	--	66,740	20.0	--
Tuesday	202,890	17.5	--	58,990	17.7	--
Wednesday	207,820	17.9	--	59,410	17.8	--
Thursday	197,050	17.0	--	54,150	16.2	--
Friday	173,710	15.0	--	49,910	15.0	--
Saturday	90,640	7.8	--	25,260	7.6	--
Time of Day:						
12:01 AM - 4:00 AM	35,830	3.1	--	11,350	3.4	--
4:01 AM - 8:00 AM	113,160	9.8	--	33,510	10.0	--
8:01 AM - 12:00 PM	343,960	29.7	--	93,340	28.0	--
12:01 PM - 4:00 PM	260,580	22.5	--	65,200	19.5	--
4:01 PM - 8:00 PM	123,830	10.7	--	30,360	9.1	--
8:01 PM - 12:00 AM	64,010	5.5	--	17,100	5.1	--
Not reported	217,480	18.8	--	82,900	24.8	--

See footnotes at end of table.

Table 10. Number, percent, and incidence rate¹ of nonfatal occupational injuries and illnesses involving days away from work² by selected worker and case characteristics and musculoskeletal disorders³, All United States, private industry, 2007

Characteristic	Private industry ^{4,5,6}			Musculoskeletal disorders		
	Number	Percent	Rate	Number	Percent	Rate
Hours Worked:						
Occurred before shift began	7,770	0.7	--	300	0.1	--
Less than 1 hour	98,410	8.5	--	26,250	7.9	--
1 - 2 hours	110,830	9.6	--	32,360	9.7	--
2 - 4 hours	241,870	20.9	--	70,120	21.0	--
4 - 6 hours	183,950	15.9	--	51,460	15.4	--
6 - 8 hours	162,000	14.0	--	41,150	12.3	--
8 - 10 hours	82,930	7.2	--	19,290	5.8	--
10 - 12 hours	21,500	1.9	--	4,430	1.3	--
12 - 16 hours	7,670	0.7	--	1,830	0.5	--
More than 16 hours	350	--	--	50	--	--
Not reported	241,580	20.8	--	86,520	25.9	--

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as:

$(N / EH) \times 20,000,000$ where,

N = number of injuries and illnesses,

EH = total hours worked by all employees during the calendar year,

20,000,000 = base for 10,000 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those that result in days-away-from-work with or without job transfer or restriction.

³ Includes cases where the nature of injury is: sprains, strains, tears; back pain, hurt back; soreness, pain, hurt, except back; carpal tunnel syndrome; hernia; or musculoskeletal system and connective tissue diseases and disorders and when the event or exposure leading to the injury or illness is: bodily reaction/bending, climbing, crawling, reaching, twisting; overexertion; or repetition. Cases of Raynaud's phenomenon, tarsal tunnel syndrome, and herniated spinal discs are not included. Although these cases may be considered MSD's, the survey classifies these cases in categories that also include non-MSD cases.

⁴ Excludes farms with fewer than 11 employees.

⁵ Data for mining (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁶ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁷ Median days away from work is the measure used to summarize the varying lengths of absences from work among the cases with days away from work. Half the cases involved more days and half involved less days than a specified median. Median days away from work are represented in actual values.

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. Dashes indicate data that do not meet publication guidelines or data for incidence rates less than 0.05 per 10,000 full-time workers. The scientifically selected probability sample used was one of many possible samples, each of which could have produced different estimates. A measure of sampling variability for each estimate is available upon request.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, November, 2008